

WHAT IS CLAIMED IS:

1. A method of producing a hood for a hearing protector, the hood being produced by injection moulding of plastic material, **characterised in that** the hood is injection moulded to a single contiguous piece employing plastic materials with different properties in at least one respect.

2. The method as claimed in Claim 1, **characterised in that** plastic materials are employed in both homogeneous and in porous or foamed form.

3. The method as claimed in Claim 1 or 2, **characterised in that** at least two different plastic materials are employed.

4. The method as claimed in Claim 3, **characterised in that** plastic materials of different densities are employed.

5. The method as claimed in Claim 3 or 4, **characterised in that** plastic materials of different hardnesses are employed.

6. The method as claimed in any of Claims 3 to 5, **characterised in that** plastic materials with different modulus of elasticity are employed.

7. A hood for a hearing protector, the hood (1) being produced from plastic by injection moulding, **characterised in that** it includes at least two mutually contiguous portions or layers (6, 7, 8; 10, 11; 13, 14) which consist of plastic materials with different properties in at least one respect.

8. The hood as claimed in Claim 7, **characterised in that** the portions include an outer and an inner layer (6, 7, respectively) of a plastic material with a first group of properties and an intermediate layer (8) located therebetween and consisting of a plastic material with a second group of properties.

9. The hood as claimed in Claim 7 or 8, **characterised in that** the outer and inner layers (6, 7, respectively) are relatively hard, while the intermediate layer (8) is softer or has foamed structure.

5 10. The hood as claimed in Claim 7 or 8, **characterised in that** the intermediate layer (8) is relatively hard while the outer and inner layers (6, 7, respectively) are softer or have foamed structure.

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10 11. The hood as claimed in Claim 7, **characterised in that** the portions include two material layers (13, 14), of which at least one has surfaces which are free towards both the outside of the hood (1) and towards its inside.

12. The hood as claimed in Claim 7, **characterised in that** the portions include two material layers (13, 14) which both have surfaces which are
15 free towards the outside of the hood (1) and surfaces which are free towards the inside of the hood.

13. The hood as claimed in any of Claims 7 to 12, **characterised in that** at least one of the portions consists of a different plastic material than the
20 other/others.

14. The hood as claimed in any of Claims 7 to 13, **characterised in that** a portion (13') is disposed along the peripheral edge (4) of the hood, is produced from a soft and elastic material, and is designed for sealing against the
25 abutment ring (3) which is disposed along the peripheral edge (4) of the hood (1) and designed to abut against the head of the wearer of the hearing protector in which the hood is included.

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